



SDD 15D03 Traffic Control, Lane Closure, Speeds Greater Than 40 MPH With Barrier

GENERAL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE
 THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

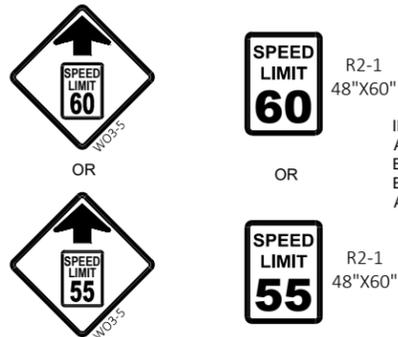
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

- CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.
- IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH LESS THAN POSTED SPEED.

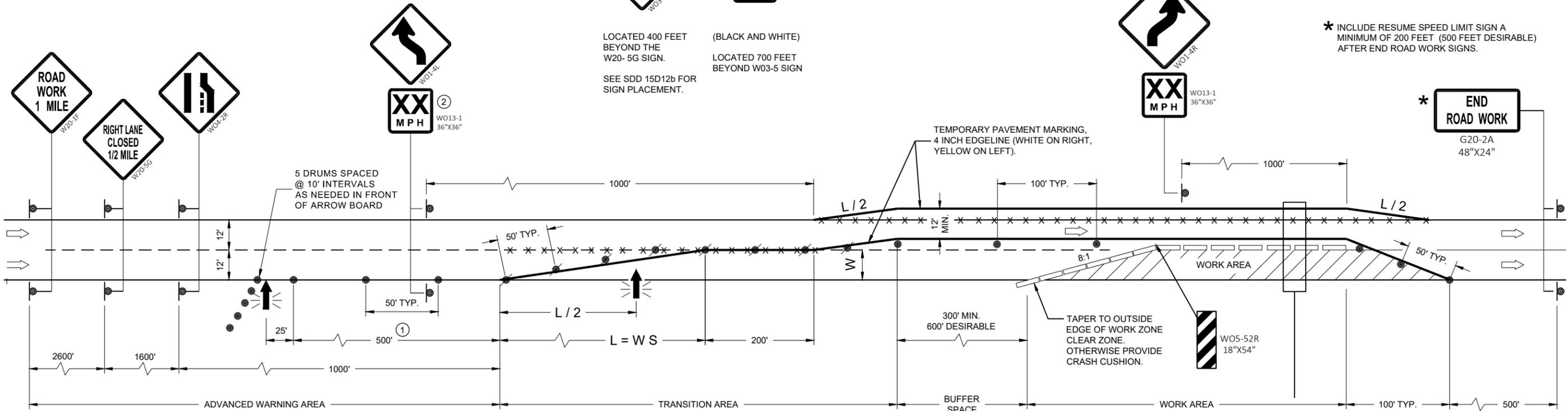
LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA



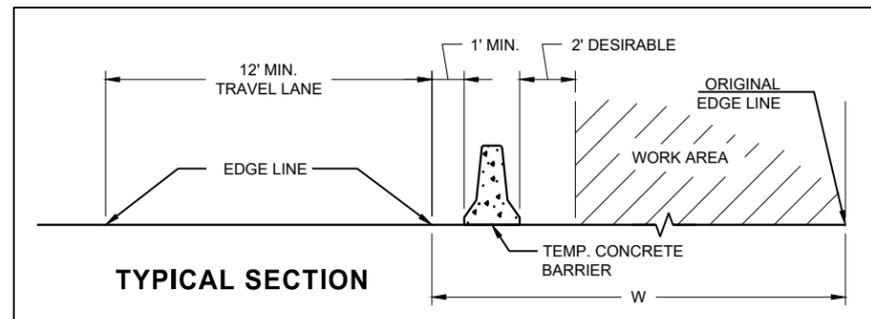
IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES.

LOCATED 400 FEET BEYOND THE W20-5G SIGN. (BLACK AND WHITE)
 LOCATED 700 FEET BEYOND W03-5 SIGN
 SEE SDD 15D12b FOR SIGN PLACEMENT.



* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

SPEED (MPH)	L, TAPER LENGTH (MPH)											
	W, LATERAL OFFSET (FT)											
	1	2	3	4	5	6	7	8	9	10	11	12
45	45	90	135	180	225	270	315	360	405	450	495	540
50	50	100	150	200	250	300	350	400	450	500	550	600
55	55	110	165	220	275	330	385	440	495	550	605	660
60	60	120	180	240	300	360	420	480	540	600	660	720
65	65	130	195	260	325	390	455	520	585	650	715	780
70	70	140	210	280	350	420	490	560	630	700	770	840



**TRAFFIC CONTROL
LANE CLOSURE, SPEEDS
GREATER THAN 40 MPH
WITH BARRIER**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED _____
 November 2018 DATE /S/ Andrew Heidtke
 ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

SDD 15D03 - 05

SDD 15D03 - 05

*Traffic Control, Lane Closure, Speeds Greater than 40 M.P.H. with Barrier***References:**

Part VI from the Manual on Uniform Traffic Control Devices

[FDM 11-50-20](#)[TeOps 3-15-5](#)**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
603.8000	Concrete Barrier Temporary Precast Delivered.....	LF
603.8125	Concrete Barrier Temporary Precast Installed	LF
643.0300	Traffic Control Drums.....	DAY
643.0715	Traffic Control Warning Lights Type C.....	DAY
643.0800	Traffic Control Arrow Boards.....	DAY
643.0900	Traffic Control Signs	DAY
643.0910	Traffic Control Covering Signs Type I.....	EACH
643.0920	Traffic Control Covering Signs Type II	EACH
643.1050	Traffic Control Signs PCMS	DAY
649.0105	Temporary Marking Line Paint 4-Inch.....	LF
649.0120	Temporary Marking Line Epoxy 4-Inch.....	LF
649.0150	Temporary Marking Line Removable Tape 4-Inch	LF
649.0155	Temporary Marking Line Removable Contrast Tape 4-Inch.....	LF
649.0760	Temporary Marking Raised Pavement Marker Type I.....	EACH

Standardized Special Provisions associated with this drawing:

<u>STSP NUMBER</u>	<u>TITLE</u>
NONE	

Other SDDs associated with this drawing:

SDD 14B7	Concrete Barrier Temporary Precast
SDD 15C2	Advanced Width Restriction Signing

Design Notes:

Refer to the Traffic Engineering, Operations and Safety Manual [TeOpS 13-5-6](#).

Temporary Raised Pavement Markers can be used along with Temporary Pavement Marking, Removable Tape to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than 7 continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and a 50 foot spacing when they are used as a broken lane line. Use epoxy pavement markings only when the projects extends into the winter. Consider contrast lines in the lane closure taper if glare issues will be present.

Existing and permanent signs that require covering to prevent conflicts with detours or other traffic operations will be paid for under the following bid items; 643.0910 and 643.0920.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail. Additional advance warning signs (beyond 1 mile in advance) should be shown on the overview sheet, if necessary.

Include Temporary Regulatory Speed Limit Reduction boilerplate in STSP. Miscellaneous quantities should include items and quantities for the additional signing for temporary regulatory speed zone modification as needed. Double mark signs to enhance visibility, i.e. inside and outside shoulder. Indicate location of temporary regulatory speed limit signs; beyond entrance ramp acceleration lanes, and other locations that traffic is allowed to enter project limits.

Contact Person:

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